

WHAT IS CLAIMED IS:

1. An voice processing device built into a robot, said voice processing device comprising:

voice processing means for processing voice; and
control means for controlling voice processing by said voice processing means, based on the state of said robot.

2. An voice processing device according to Claim 1, wherein said control means control said voice process based on the state of actions, emotions or instincts of said robot.

3. An voice processing device according to Claim 1, wherein said voice processing means comprises voice synthesizing means for performing voice synthesizing processing and outputting synthesized sound;

and wherein said control means control the voice synthesizing processing by said voice synthesizing means, based on the state of said robot.

4. An voice processing device according to Claim 3, wherein said control means control phonemics information and pitch information output by said voice synthesizing means.

5. An voice processing device according to Claim 3,

wherein said control means control the speech speed or volume of synthesized sound output by said voice synthesizing means.

6. An voice processing device according to Claim 1, wherein said voice processing means extract the control pitch information or phonemics information of the input voice;

and wherein the emotion state of said robot is changed based on said pitch information or phonemics information, or said robot takes actions corresponding to said pitch information or phonemics information.

7. An voice processing device according to Claim 1, wherein said voice processing means comprises voice recognizing means for recognizing input voice;

and wherein said robot takes actions corresponding to the reliability of the voice recognition results output from said voice recognizing means, or the emotion state of said robot is changed based on said reliability.

8. An voice processing device according to Claim 1, wherein said control means recognizes the action which said robot is taking, and controls voice processing by said voice processing means based on the load regarding that action.

9. An voice processing device according to Claim 8,

wherein said robot takes actions corresponding to resources which can be appropriated to voice processing by said voice processing means.

10. An voice processing method for an voice processing device built into a robot, said method comprising:

an voice processing step for processing voice; and
a control step for controlling voice processing in said voice processing step, based on the state of said robot.

11. A recording medium recording programs to be executed by a computer, for causing a robot to perform voice processing, said program comprising:

an voice processing step for processing voice; and
a control step for controlling voice processing in said voice processing step, based on the state of said robot.